

BIG DATA & ARTIFICIAL INTELLIGENCE

Extracting Business Value



Big Data, Machine Learning, and Artificial Intelligence (AI) are at the head of the most disruptive technological revolution affecting today's businesses. Is this just a fad, or something companies should pay close attention to? This course provides a gentle, non-technical, highly interactive and engaging introduction to help kick-start professionals in their understanding of these topics. In this course, participants will:

- Gain a firm understanding of the basics and then learn the advantages and limitations of applying Machine Learning and AI in practice.
- Learn how to identify and extract undervalued Big Data opportunities within their businesses and organizations.
- Discover how to properly construct a prudent strategy to leverage Big Data by utilizing Machine Learning and AI algorithms to disrupt their own industries.
- Become conversant on the topics of Big Data, Machine Learning and AI.

FACULTY

Jim Kyung-Soo Liew, PhD, is a prominent FinTech Data Scientist and Assistant Professor of Finance at Johns Hopkins Carey Business School. His research pushes the boundaries of economic study, focusing on the intersection of social media, big data, and financial markets. He serves on the editorial board of the Journal of Portfolio Management where he co-authored the most read Invited Editorial, "iGDP?." Liew serves as the Chairman of the Johns Hopkins Innovation Factory and has received the Dean's Award for Faculty Excellence in 2015 and 2016. He holds a PhD in Finance from Columbia University.



Tamas Budavari, PhD is an Associate Professor in Departments of Applied Mathematics & Statistics, Computer Sciences, and Physics & Astronomy. The core of his research is in computational statistics, Bayesian inference, low-dimensional embeddings, streaming algorithms, parallel processing on GPUs, scientific databases, and survey astronomy. He has been focusing on various statistical and computational challenges in astronomy as modern detector technology is rapidly changing the way science is done.



WHO SHOULD ATTEND

This seminar serves professionals at all career levels who are curious to survey the newest technological advancements across the Big Data, Machine Learning and AI spectrum with a practical and applied focus

TUITION

\$3,800 for the 3-day course

20% discount to JHU and JHHS employees \$2,560

JHU employees may use tuition remission for the seminar

LOCATION

Locations may vary. Please check the registration details and your email for location.

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Course Agenda

DAY 1	
8:30AM-9:00AM	REGISTRATION AND BREAKFAST
9:00AM-12:00PM <i>(Including a Coffee Break)</i>	MORNING SESSION <ul style="list-style-type: none">Demystifying Big Data Exploratory Data Analysis and Dimensionality Reduction – Case Study #1
12:00PM-1:00PM	LUNCH AND AFTERNOON PREPARATION
1:00PM-4:00PM <i>(Including a Coffee Break)</i>	AFTERNOON SESSION <ul style="list-style-type: none">What is AI? AI's Dystopia or Utopia – Case Study #2
DAY 2	
8:30AM-9:00AM	BREAKFAST
9:00AM-12:00PM <i>(Including a Coffee Break)</i>	MORNING SESSION <ul style="list-style-type: none">Types of learning & Best Practices Our Three Amigos – Case Study #3
12:00PM-1:00PM	LUNCH AND AFTERNOON PREPARATION
1:00PM-4:00PM <i>(Including a Coffee Break)</i>	AFTERNOON SESSION <ul style="list-style-type: none">Leveraging the "AI Canvass" Path to AI Perfection Conclusions
DAY 3	
8:30AM-9:00AM	BREAKFAST
9:00AM-12:00PM <i>(Including a Coffee Break)</i>	MORNING SESSION <ul style="list-style-type: none">Big Data in Astronomy Designing a Data Solution Big Data in the Big City
12:00PM-1:00PM	LUNCH AND AFTERNOON PREPARATION
1:00PM-4:00PM <i>(Including a Coffee Break)</i>	AFTERNOON SESSION <ul style="list-style-type: none">Advances in Machine Learning Citizen Science Beyond Traditional AI